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NOTICE OF ALLOWANCE AND FEE(S) DUE

5514 7590 11/28/2008
FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA

NEW YORK, NY 10112

EXAMINER

MALDONADO, JULIO J

ART UNIT PAPER NUMBER

2823

DATE MAILED: 11/28/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/555.614	11/04/2005	Daisuke Miura	03500,109594,	4514

TITLE OF INVENTION: FIELD EFFECT TRANSISTOR, METHOD OF PRODUCING THE SAME, AND METHOD OF PRODUCING LAMINATED MEMBER

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used f correspondence includir d below or directed oth ions.	or tran	smitting the ISSU Patent, advance or in Block 1, by (a					nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				No Fe pa ha	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
5514	7590 11/28						of Mailing or Transi	nission
FITZPATRICK 30 ROCKEFELI NEW YORK, N		ER &	SCINTO	I l St ad tra	ereby certify that the	is Feet	c) Transmittal is being	deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
								(Depositor's name)
								(Signature)
				L				(Date)
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10/555,614	11/04/2005			Daisuke Miura			03500.109594.	4514
TITLE OF INVENTION MEMBER								
APPLN, TYPE	SMALL ENTITY	IS:	SUE FEE DUE	PUBLICATION FEE DUI	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO		\$1510	\$300	\$0		\$1810	03/02/2009
EXAM	INER		ART UNIT	CLASS-SUBCLASS				
MALDONAL	OO, JULIO J		2823	257-040000	_			
"Fee Address" indi PTO/SB/47; Rev 03-0: Number is required. 3. ASSIGNEE NAME AT	ess an assignee is ident 1 in 37 CFR 3.11. Comp	" Indica ed. Use A TO B	ation form e of a Customer E PRINTED ON T		gle firm (having as a gle firm (having as a agent) and the nam torneys or agents. If he printed. ype) patent. If an assign assignment.	a memb nes of u no nan	per a 2p to p to a is 3	ocument has been filed for
Please check the appropri	ate assignee category or	catego	ories (will not be pr	inted on the patent):	Individual C	orporati	ion or other private gro	up entity 🗖 Government
Advance Order - #	o small entity discount p		ed)	 Payment of Fee(s): (Pl	ard. Form PTO-203 by authorized to cha	3 is atta	iched. required fee(s), any de	
	SMALL ENTITY state	ıs. See	37 CFR 1.27.	b. Applicant is no lo				
interest as shown by the r	Publication Fee (if requeeords of the United Sta	uired) v tes Pate	will not be accepted ent and Trademark	Office.	the applicant; a reg	istered .	attorney or agent; or th	e assignee or other party in
Authorized Signature					Date			
Typed or printed name					Registration !			
This collection of informa an application. Confident submitting the completed this form and/or suggestic Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	FR 1.3 U.S.C. USPT rden, sh O NOT	11. The informatic . 122 and 37 CFR O. Time will vary hould be sent to the SEND FEES OR O	on is required to obtain on 1.14. This collection is a depending upon the ind e Chief Information OfficompleTED FORMS	r retain a benefit by estimated to take 12 lividual case. Any co cer, U.S. Patent and TO THIS ADDRES	the pub minuter omment Trader S. SEN	lic which is to file (and s to complete, includin is on the amount of tir nark Office, U.S. Depa D TO: Commissioner I	by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. for Patents, P.O. Box 1450,

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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FITZPATRICK (CELLA HARPER &	MALDONADO, JULIO J			
30 ROCKEFELLE		ART UNIT	PAPER NUMBER		
NEW YORK, NY	10112	2823			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 325 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 325 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/555.614 MIURA ET AL. Notice of Allowability Examiner Art Unit JULIO J. MALDONADO 2823 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to amendments filed on 11/10/2008. The allowed claim(s) is/are 7-10. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date 3. Information Disclosure Statements (PTO/SB/08), 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material Other .

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DETAILED ACTION

 The rejection as set forth in the office action mailed on 09/03/2008 is withdrawn in view of the applicants' cancellation of claims 1-6 and 11-37 as set forth in the reply filed on 11/10/2008

Claims 7-10 are pending in the application.

Allowable Subject Matter

- Claims 7-10 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

The prior art of record, Aramaki et al. to U.S. 7,193,237 B2 teach in Figs.1A-1D and related text, a field effect transistor having an organic semiconductor device comprising an organic semiconductor layer (1) containing at least porphyrin; and a gate dielectric layer (2) being laminated on or under the organic semiconductor layer (1) so as to be in intimate contact with the organic semiconductor layer (1), wherein said gate dielectric layer (2) is "...a material having an insulating property...such as polymethyl methacrylate, polystyrene, polyvinylphenol, polymide, polycarbonate, polyester, polyvinyl alcohol, polyvinyl acetate, polyurethane, polysulfone, an epoxy resin or a phenol resin, a copolymer prepared by a combination thereof, an oxide such as silicon dioxide, aluminum oxide or titanium oxide, a ferroelectric oxide such as SrTiO.sub.3 or BaTiO.sub.3, a nitride such as silicon nitride, a dielectric such as a sulfide or fluoride, or a polymer having such dielectric particles dispersed therein, may be mentioned..."

(Aramaki et al., column 29, line 56 – column 30, line 40).

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Although Aramaki et al. teach an organic semiconductor layer containing porphyrin, Aramaki et al. fail to dislcose wherein said organic semiconductor layer has Bragg angle of CuK α X-ray diffraction in the organic semiconductor layer have peaks at 8.3 $^{\circ}$ ± 0.2 $^{\circ}$, 10.1 $^{\circ}$ ± 0.2 $^{\circ}$, and 14.4 $^{\circ}$ ± 0.2 $^{\circ}$, as disclosed in claim 7; 8.4 $^{\circ}$ ± 0.2 $^{\circ}$, 11.9 $^{\circ}$ ± 0.2 $^{\circ}$, and 16.9 $^{\circ}$ ± 0.2 $^{\circ}$, as disclosed in claim 8; 7.2 $^{\circ}$ ± 0.2 $^{\circ}$, 7.8 $^{\circ}$ ± 0.2 $^{\circ}$, 11.7 $^{\circ}$ ± 0.2 $^{\circ}$, and 19.6 $^{\circ}$ ± 0.2 $^{\circ}$, as disclosed in claim 9; and 7.3 $^{\circ}$ ± 0.2 $^{\circ}$, 7.8 $^{\circ}$ ± 0.2 $^{\circ}$, 11.7 $^{\circ}$ ± 0.2 $^{\circ}$, and 19.6 $^{\circ}$ ± 0.2 $^{\circ}$, as disclosed in claim 10.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JULIO J. MALDONADO whose telephone number is (571)272-1864. The examiner can normally be reached on Mon-Fri, 8:00 A.M.-4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on (571)-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the
Patent Application Information Retrieval (PAIR) system. Status information for
published applications may be obtained from either Private PAIR or Public PAIR.
Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Matthew S. Smith/ Supervisory Patent Examiner, Art Unit 2823 /Julio J. Maldonado/ Art Unit 2823

/J. J. M./ Art Unit 2823